



Windows PowerShell Get-Help on Cmdlet 'Add-AzStorageAccountNetworkRule'

PS:\>Get-HELP Add-AzStorageAccountNetworkRule -Full

NAME

Add-AzStorageAccountNetworkRule

SYNOPSIS

Add IpRules or VirtualNetworkRules to the NetworkRule property of a Storage account

SYNTAX

```
Add-AzStorageAccountNetworkRule [-ResourceGroupName] <System.String> [-Name] <System.String> [-AsJob]
[-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -IPAddressOrRange
<System.String[]> [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Add-AzStorageAccountNetworkRule [-ResourceGroupName] <System.String> [-Name] <System.String> [-AsJob]
[-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -IPRule
<Microsoft.Azure.Commands.Management.Storage.Models.PSIpRule[]>
[-Confirm] [-WhatIf] [<CommonParameters>]
```

```

Add-AzStorageAccountNetworkRule [-ResourceGroupName] <System.String> [-Name] <System.String> [-AsJob]
[-DefaultProfile

    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

-ResourceAccessRule

    <Microsoft.Azure.Commands.Management.Storage.Models.PSResourceAccessRule[]> [-Confirm] [-WhatIf]

[<CommonParameters>]

```

```

Add-AzStorageAccountNetworkRule [-ResourceGroupName] <System.String> [-Name] <System.String> [-AsJob]
[-DefaultProfile

    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -ResourceId

<System.String> -TenantId <System.String> [-Confirm] [-WhatIf]

[<CommonParameters>]

```

```

Add-AzStorageAccountNetworkRule [-ResourceGroupName] <System.String> [-Name] <System.String> [-AsJob]
[-DefaultProfile

    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

-VirtualNetworkResourceId <System.String[]> [-Confirm] [-WhatIf]

[<CommonParameters>]

```

```

Add-AzStorageAccountNetworkRule [-ResourceGroupName] <System.String> [-Name] <System.String> [-AsJob]
[-DefaultProfile

    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -VirtualNetworkRule

    <Microsoft.Azure.Commands.Management.Storage.Models.PSVirtualNetworkRule[]> [-Confirm] [-WhatIf]

[<CommonParameters>]

```

DESCRIPTION

The Add-AzStorageAccountNetworkRule cmdlet adds IpRules or VirtualNetworkRules to the NetworkRule property of a Storage account

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

The credentials, account, tenant, and subscription used for communication with Azure.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-IPAddressOrRange <System.String[]>

The Array of IPAddressOrRange, add IpRules with the input IPAddressOrRange and default Action Allow to NetworkRule Property.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-IPRule <Microsoft.Azure.Commands.Management.Storage.Models.PSIpRule[]>

The Array of IpRule objects to add to the NetworkRule Property.

Required?	true
Position?	named
Default value	None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Name <System.String>

Specifies the name of the Storage account.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceAccessRule <Microsoft.Azure.Commands.Management.Storage.Models.PSResourceAccessRule[]>

Storage Account NetworkRule ResourceAccessRules.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of the resource group contains the Storage account.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceId <System.String>

Storage Account ResourceAccessRule ResourceId in string.

Required? true
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-TenantId <System.String>

Storage Account ResourceAccessRule TenantId in string.

Required? true
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-VirtualNetworkResourceId <System.String[]>

The Array of VirtualNetworkResourceId, will add VirtualNetworkRule with input VirtualNetworkResourceId and default Action Allow to NetworkRule Property.

Required? true
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-VirtualNetworkRule <Microsoft.Azure.Commands.Management.Storage.Models.PSVirtualNetworkRule[]>

The Array of VirtualNetworkRule objects to add to the NetworkRule Property.

Required? true
Position? named
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (<https://go.microsoft.com/fwlink/?LinkID=113216>).

INPUTS

System.String

Microsoft.Azure.Commands.Management.Storage.Models.PSIPRule[]

OUTPUTS

```
Microsoft.Azure.Commands.Management.Storage.Models.PSVirtualNetworkRule
```

```
Microsoft.Azure.Commands.Management.Storage.Models.PSIpRule
```

NOTES

----- Example 1: Add several IpRules with IPAddressOrRange -----

```
Add-AzStorageAccountNetworkRule -ResourceGroupName "myResourceGroup" -Name "mystorageaccount"  
-IPAddressOrRange "10.0.0.0/7","28.2.0.0/16"
```

This command add several IpRules with IPAddressOrRange.

Example 2: Add a VirtualNetworkRule with VirtualNetworkResourceID

```
$subnet = Get-AzVirtualNetwork -ResourceGroupName "myResourceGroup" -Name "myvirtualnetwork" |  
Get-AzVirtualNetworkSubnetConfig  
Add-AzStorageAccountNetworkRule -ResourceGroupName "myResourceGroup" -Name "mystorageaccount"  
-VirtualNetworkResourceID $subnet[0].Id
```

This command add a VirtualNetworkRule with VirtualNetworkResourceID.

Example 3: Add VirtualNetworkRules with VirtualNetworkRule Objects from another account

```
$networkrule = Get-AzStorageAccountNetworkRuleSet -ResourceGroupName "myResourceGroup" -Name "mystorageaccount1"

Add-AzStorageAccountNetworkRule -ResourceGroupName "myResourceGroup" -Name "mystorageaccount2" -VirtualNetworkRule $networkrule.VirtualNetworkRules
```

This command add VirtualNetworkRules with VirtualNetworkRule Objects from another account.

Example 4: Add several IpRule with IpRule objects, input with JSON

```
Add-AzStorageAccountNetworkRule -ResourceGroupName "myResourceGroup" -Name "mystorageaccount" -IPRule (@{IPAddressOrRange="10.0.0.0/7";Action="allow"},@{IPAddressOrRange="28.2.0.0/16";Action="allow"})
```

This command add several IpRule with IpRule objects, input with JSON.

----- Example 5: Add a resource access rule -----

```
Add-AzStorageAccountNetworkRule -ResourceGroupName "myResourceGroup" -Name "mystorageaccount" -TenantId $tenantId -ResourceId $ResourceId
```

This command adds a resource access rule with TenantId and ResourceId.

Example 6: Add all resource access rules of one storage account to another storage account

```
(Get-AzStorageAccountNetworkRuleSet -ResourceGroupName "myResourceGroup" -Name "mystorageaccount1").ResourceAccessRules | Add-AzStorageAccountNetworkRule -ResourceGroupName "myResourceGroup" -Name "mystorageaccount2"
```

This command gets all resource access rules from one storage account, and adds them to another storage account.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.storage/add-azstorageaccountnetworkrule>